GRUNDIG

COLOR TELEVISION

DAVIO 37

P 37-4201 TOP

DAVIO 51

T 51-4201 TOP

DAVIO 55

T 55-4201 TOP

DEUTSCH

ENGLISH

FRANÇAIS

ITALIANO

NEDERLANDS

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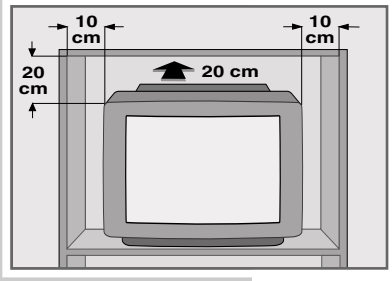
SET-UP AND SAFETY

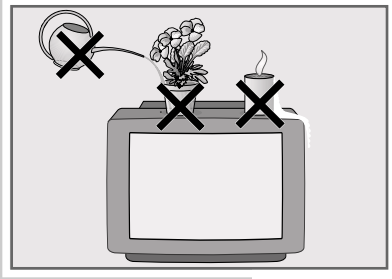


Please note the following information when setting up your television set:

This television set is designed to receive and display video and audio signals. Any other use is expressly prohibited.

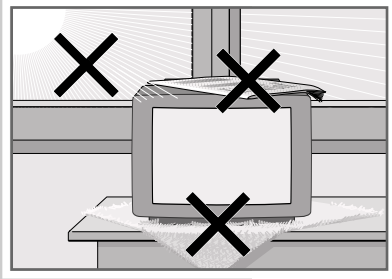
The ideal viewing distance is 5 times the screen diagonal.
External light falling on the screen impairs picture quality.

Ensure sufficient clearance between the TV and the wall cabinet.

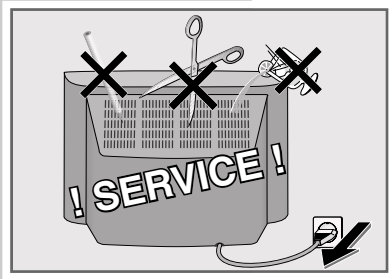


The television set is designed for use in dry rooms. If you do use it in the open, please ensure that it is protected from moisture, such as rain or splashing water. Do not expose the television set to any moisture.

Do not place any vessels such as vases on the television, as they may spill liquid, thus presenting a safety risk.
Place the television set on a solid, level surface. Do not place any objects such as newspapers on the television set or cloth or similar items beneath it.

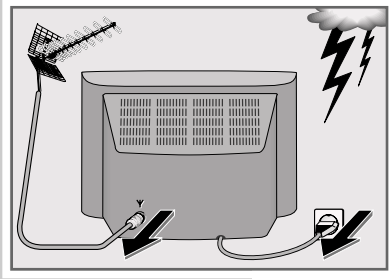


Do not place the television set close to heating units or in direct sunlight. This will impair cooling.
Heat build-up can be dangerous and shortens the operating life of the television set. For reasons of safety, have a specialist remove any dirt deposits in the set from time to time.
Keep the television set away from magnetic fields (loudspeaker boxes, for example).



Do not open the television set under any circumstances. The manufacturer will not accept any liability for damage resulting from improper handling.

Ensure that the mains cable is not damaged.
The television set may only be operated with the mains cable supplied.

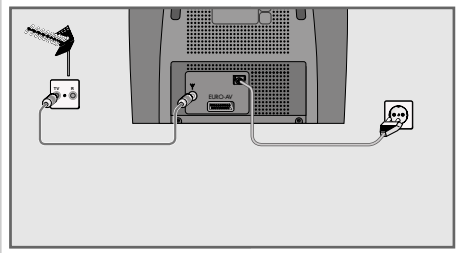


Thunderstorms are a danger to all electrical devices. Even if the television set is switched off, it can be damaged by a lightning strike to the mains or the antenna cable. Always disconnect the mains and antenna plugs during a storm.

Clean the screen with a soft, damp cloth. Only use plain water.

CONNECTION AND PREPARATION

Connecting the antenna and the mains cable

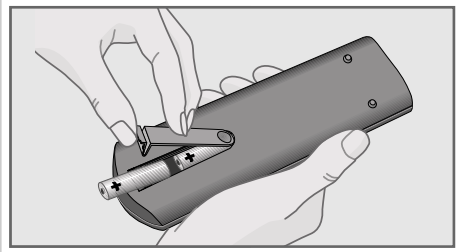


1 Insert the telescopic antenna (P 37 only) in the recess on the rear panel.

2 Plug the roof antenna cable or the telescopic antenna into the antenna socket »Y« on the television set.

3 Insert the power cord plug in the socket.

Inserting batteries in the remote control



1 Open the battery compartment by removing the lid.

2 Insert battery (type Mignon, 2 x 1.5 V, R6/UM3/AA).
Observe the polarity (marked on the base of the battery compartment).

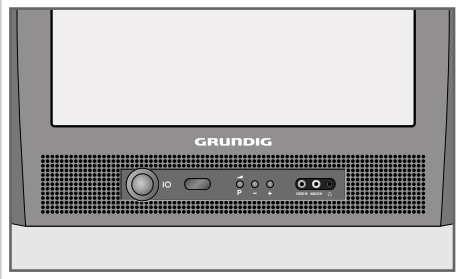
Note:
If the television no longer reacts properly to remote control commands, the batteries may be flat. Always remove flat batteries. No liability is accepted for damage resulting from leaking batteries.

Environmental note:
Batteries, including those which are free of heavy metal, must not be disposed of with household waste. Please dispose of used batteries in an environmentally sound manner. Observe the legal regulations which apply in your area.

OVERVIEW

The front of the television set

IO	Switches the television to stand-by mode.
P	Switches the television on from stand-by mode; preset button for volume and channel selection.
+	Channel selection up; raise volume.
–	Channel select down; lower volume.



🎧	Headphone jack (3.5 mm ø jack plug, located on the side of P 37). – Connecting a headphone set deactivates the loud-speakers.
AUDIO IN	Audio input (located on the side of P 37).
VIDEO IN	Video input (located on the side of P 37).

The remote control

⏻	Switches off the television (stand-by).
0...9	Switch the television on from stand-by mode; select channels directly.
0	Select channel positions AV 1 and AV 2.
i	Calls up the »Dialog Center«; select the previous menu page.
🔇	Sound on/off (mute).
P+ P-	Switches the television on from stand-by (only »**P+**«); select channels step-by-step; move the cursor up/down.
◀ ▶	Adjust the volume; move the cursor left/right.
OK	Activates various functions and saves settings.
TXT	Switches between teletext and TV mode; terminates the menu function.
Z	Activates the "zapping" function; zaps between two channels.
(red)	Calls up the »Picture« menu; scrolls back a page in teletext mode.
(green)	Time on/off; scrolls to the next page in teletext mode.
II (yellow)	Selects chapters in teletext mode.
(blue)	Calls up menu functions; selects topics in teletext mode.
TV-G	Not used.
PIP	Not used.
	Switches between large- and wide-screen playback.
?	Displays programme information.
VCR/SAT	For operating the basic functions of a GRUNDIG video recorder or press and hold down satellite receiver button »**VCR**« or »**SAT**«. Then select the button you require. The functions available to you depend on the model of the device you are using. Just try it out.

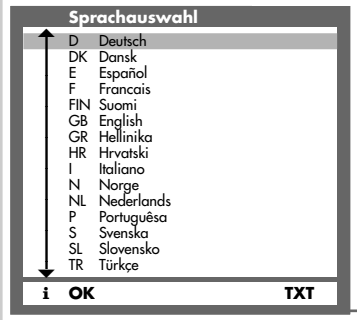
Assigning channel positions automatically with the ATS Channel Search

The television set is equipped with an automatic channel search system.
You start the search and can then sort the television channels into order of preference.

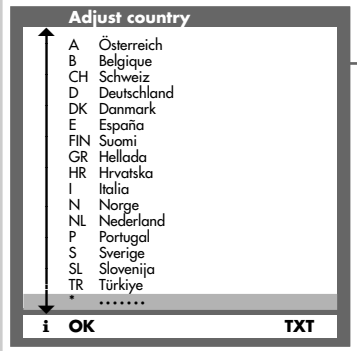
99 preset positions are provided, to which you can assign television stations from the antenna or from the cable connection.

You can also delete from the channel list television channels which were found more than once or which have poor reception.

The procedure described in the following only applies to when the television is switched on for the first time.



1 Press the »**IO**« button on the television set to switch to stand-by mode and press »**P+**« to activate the remote control.
– The »Sprachauswahl« (language selection) menu appears.

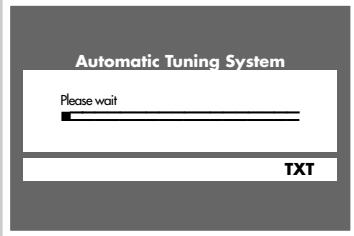


2 Select language with »**P+**« or »**P-**« and press »**OK**« to confirm.
– The »Adjust country« menu appears.

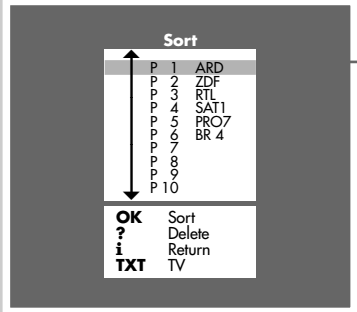
3 Select country using »**P+**« or »**P-**« and confirm with »**OK**«.

Note:
If your country is not displayed, select the line » . . . . . «.

– The »Automatic Tuning System« menu appears and the station search begins.
– The automatic search may last a minute or longer, depending on the number of television channels received.
– After the search the television switches to channel position 1 and the »Sort« menu appears.



Sorting television channels



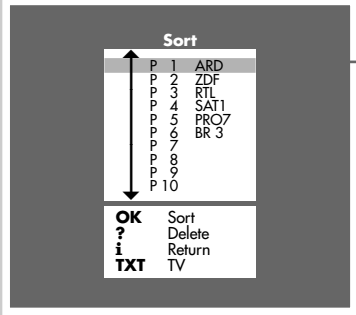
1 In the »Sort« menu, select the channel to be moved with »**P+**« or »**P-**«.

2 Highlight the channel with »**OK**«.

3 Select the new channel position with »**P+**« or »**P-**«.

4 Press »**OK**« to save the setting.

Note:
To sort the other television stations, repeat steps **1** to **4**.



Deleting television channels

1 In the »Sort« menu, select the channel to be sorted using »**P+**« or »**P-**«.

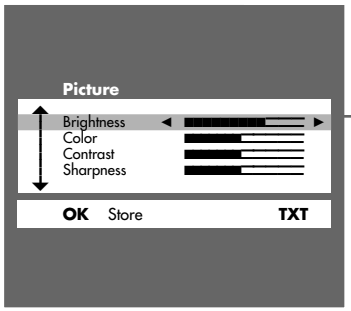
2 Press »**?**« to delete the station.

Note:
To delete other television channels, repeat steps **1** and **2**.

Concluding the settings

1 Press »**TXT**« to conclude the settings.

Picture settings



Setting brightness, colour, contrast, sharpness and tint

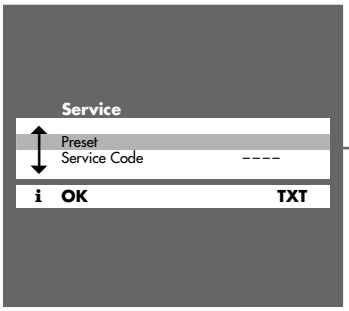
1 Call up the »Picture« menu with the »👁« button.
– The »Picture« menu appears.

2 Select the »Brightness«, »Color«, »Contrast«, »Sharpness« or »Tint« line (»Tint« only with NTSC reception) using »**P+**« or »**P-**« and use »◀« or »▶« to set the desired value.

3 Quit the setting with »**TXT**«.

Resetting picture settings to factory settings

You may delete all picture settings which you have personally undertaken by resetting the television to its factory settings.



1 Call up the »Dialog Center« by pressing »**i**«.

2 Select the »Service« line with »**P+**« or »**P-**« and confirm by pressing »**OK**«.

3 Select the »Factory settings« line using »**P+**« or »**P-**« and confirm with »**OK**«.

4 Quit the setting by pressing »**TXT**«.

Note:
The »Service code« line is reserved exclusively for the authorised dealer.

TELEVISION MODE

Switching on/off

1 Switch on the television with »**IO**« on the television.
– The television switches to stand-by mode.

2 Switch on the television with »**P+**«.
– The television switches on to the most recently selected station;

or

Switch on the television out of stand-by with »**0...9**«.
– The television switches on to the selected station.

3 Press the »⏻« button to switch the television to stand-by mode.

4 Switch off the television completely by pressing the »**IO**« button on the television.
In this way you save electricity.

Selecting channel positions

1 Select channel positions directly with the »**0...9**« buttons;

or

Press »**P+**« or »**P-**« to move up and down channel positions one at a time.

2 Select channel positions AV1 and AV2 directly with »**0**«.

Adjusting the volume

1 Adjust the volume with the »◀« or »▶« buttons.

Muting

1 Switch the sound on/off (mute) with the » « button.

Displaying/concealing time

1 You can display or conceal the time by pressing the »🕘« button (only for stations with teletext).

Briefly display channel position number

1 You can briefly display the channel position number by pressing »**?**«.
– Many television channels also display the station name.

Zap function

This function allows you to save the television station which you are currently watching and switch to other stations (zapping).

1 Using »**0...9**« or »**P+**« and »**P-**«, select the channel to be saved in the zap memory (e.g. channel 7, PRO7) and press »**Z**« to save. »z 7 PRO7« (for example) is displayed on the screen.

2 You may now use »**0...9**«, or »**P+**« and »**P-**« to switch to other television stations.

3 If you now press »**Z**« you can switch between the stored television station and the station you were watching before.

4 Press »**i**« to end the zap function. The display disappears.

TELETEXT MODE

TOP/FLOF text mode and normal text mode

In the teletext function of your television there is an integrated seven-page TOP/FLOF operating function. As a result, you do not have to switch back and forth between TOP/FLOF text mode and normal text mode.

1 Press »**TXT**« to switch to teletext mode.

2 Teletext pages can be selected directly with the »**0...9**« buttons or step-by-step in sequence with »**P+**« or »**P-**« (press »**i**« to return to menu page 100).

Note:
At the bottom of the screen, you will see an information line consisting of a red, green, yellow and blue text field. Your remote control has buttons with the corresponding colours.

3 Press »👁« (red) to scroll backwards a page.

4 Press »🕘« (green) to scroll to the next page.

5 Press »**II**« (yellow) to select chapters.

6 Press »👂« (blue) to select topics.

7 Press »**TXT**« to switch off teletext mode.

Additional functions

Overriding wait time

The wait time for calling up a teletext page can be overridden:

1 Enter the teletext page number using the »**0...9**« buttons.

X

2 Call up the "symbol line" by pressing the »**?**« button. Select the symbol »X« with »◀« or »▶«.

3 Switch to the currently set television station by pressing »**OK**«.
– »Pxxx« flashes at the top of the screen.
– When a page number appears in place of »xxx«, the teletext page has been found.

4 Switch to the teletext page by pressing »**OK**«.

Enlarging the teletext page

↑

1 To enlarge the teletext page, first call up the "symbol line" by pressing »**?**«. Select the symbol »↑« with »◀« or »▶«.

2 Enlarge the teletext page with »**OK**«; press »**OK**« to switch to the second half of the page.

3 Press »**OK**« to switch back to normal page size.

Calling up a sub-page

00

1 Call up the "symbol line" by pressing »**?**«. Select »00« with »◀« or »▶« (not present in normal text mode) and press »**OK**« to confirm.

2 Enter the four-digit number for the desired sub-page with the »**0...9**« buttons.
– After a short time the selected sub-page appears.

Page stop for multiple pages

A multiple page may contain several sub-pages, which are automatically scrolled by the transmitting station.

STOP

1 Call up the "symbol line" by pressing »**?**«. Press »◀« or »▶« to select »STOP« in the display.

2 Press »**OK**« to leave the sub-page.

3 Press »**OK**« to cancel the function.

Reveal answer

Certain teletext pages contain "hidden answers" or information which can be called up.

?

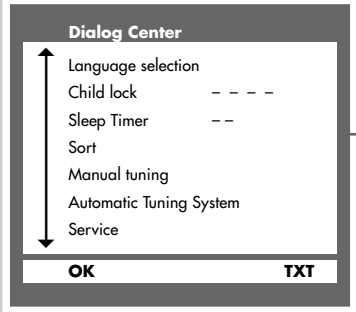
1 Call up the "symbol line" by pressing »**?**«. Press »◀« or »▶« to select »?« in the display.

2 Press »**OK**« to display the information.

3 Press »**OK**« to conceal the information.

CONVENIENCE FUNCTIONS

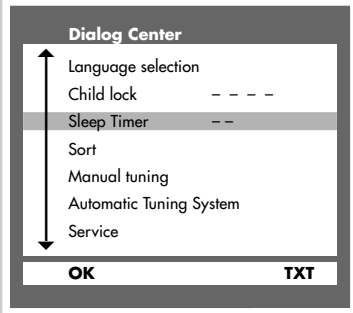
Entering the switch-off time for the sleep timer



The sleep timer function allows you to enter a time for the television to switch off. After the set time has elapsed, the television switches to stand-by mode.

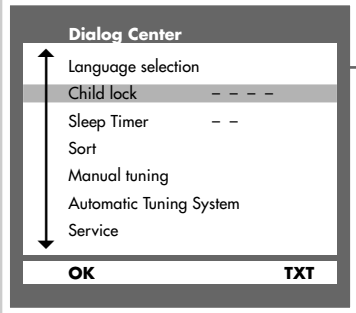
1. Call up the »Dialog Center« by pressing »**i**«.
2. Select the »Sleep Timer« line with »**P+**« or »**P-**«.
3. Enter the two-digit switch-off time (from 1 to 99 minutes) with the »**1...0**« buttons.
4. Quit the setting by pressing »**TXT**«.

Note:
To delete the switch-off time, select the »Sleep Timer« line in the »Dialog Center« again and press »**0**« twice.



Parental lock

Activating the parental lock



1. Call up the »Dialog Center« with »**i**«.
2. Select the »Child lock« line with »**P+**« or »**P-**«.
   – The digit bar appears highlighted in red.
3. Enter the code number as four digits using the »**0...9**« buttons.

Note:
After the fourth digit is entered, the parental lock immediately becomes active. You should therefore note down your code number before entering it.

4. Quit the setting by pressing »**TXT**«.
   – After the television is switched off and on again, the parental lock is activated. The »Dialog Center« appears. The »Child lock« line appears highlighted in red, all functions are blocked.

Briefly switching off the parental lock

1. Switch on the television and enter the four-digit code number using the »**0...9**« buttons.
   – The television switches to the TV image. After the television is switched off and on again, the parental lock is activated again.

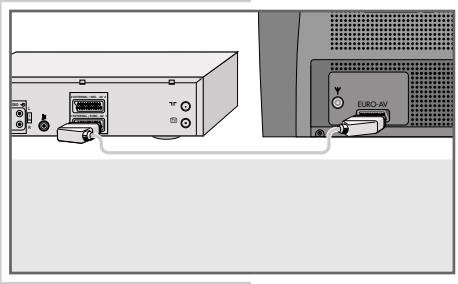
Switching off the parental lock

1. Switch on the television.
2. Enter the four-digit code number using the »**0...9**« buttons.
   – The television switches to the TV image.
3. Call up the »Dialog Center« with »**i**«.
4. Select the »Child lock« line with »**P+**« or »**P-**«.
5. Enter the four-digit code number using the »**0...9**« buttons.
6. Quit the setting with »**TXT**«.
   – The parental lock is now switched off.

USING EXTERNAL DEVICES

Satellite receiver, video recorder or DVD player

You can connect the television to either a satellite receiver (or SET-TOP box), a video recorder or a DVD player. If you want to receive encoded programs from a privately operated station, you need a decoder. A decoder can only be operated when you have installed a satellite receiver and connected the decoder with the satellite receiver.



Connecting an external device

1 Connect the »**EURO-AV**« socket on the television set with the corresponding socket on the external device using a EURO/AV cable.

Using external devices

1 Switch on the television.

2 Select channel position »AV 1« with the »**0**« button.

3 Connect the external device.

Camcorder

Connecting a camcorder

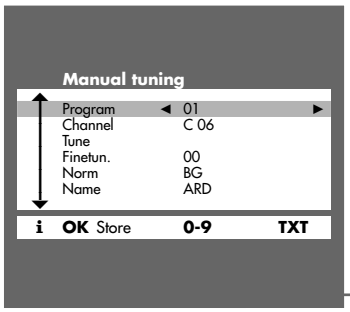
1 Connect the »**AUDIO IN**« socket and the »**VIDEO IN**« socket on the front of the device (T 51, T 55) or on the right side of the device (P 37) and the corresponding sockets on the camcorder with a standard cable (cinch cable).

Using a camcorder

1 Switch on the camcorder and select the function you wish to use.

2 Select channel position »AV 2« with »**0**«.
– The video and audio information from the camcorder can now be seen and heard on the television set.

SPECIAL SETTINGS



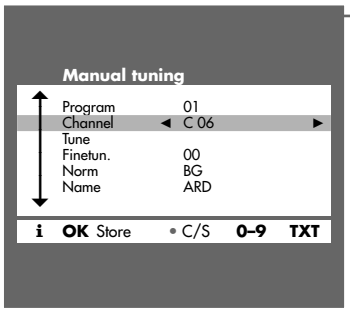
Assigning channel positions manually

You'll only need this setting if a new channel is added and you want to retain your specific channel position sequence.

1 Call up the »Dialog Center« with »**i**«.

2 Select the »Manual tuning« line by pressing »**P+**« or »**P-**« and press »**OK**« to confirm.

3 Select the channel position with »◀«, »▶« or »**0...9**«.



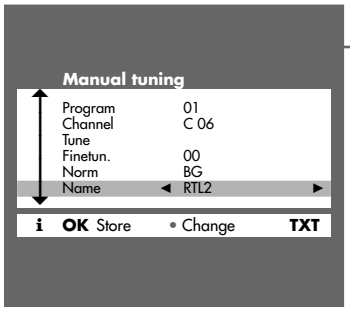
4 Select the »Channel« line using »**P+**« or »**P-**«. Then select »C« (channel) or »S« (special channel) using »?« (blue) and enter the channel directly with »**0...9**«.

or

select the channel using »◀« or »▶«.

5 Select the »Tune« line with »**P+**« or »**P-**«; tune in to the television station using »◀« or »▶«.

6 To fine tune the picture (if necessary), select the »Fine tun.« line with »**P+**« or »**P-**«, and modify the fine tuning with »◀« or »▶«.

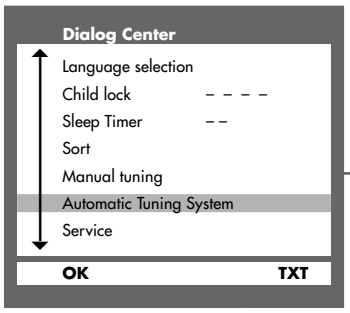


7 Select the »Name« line with »**P+**« or »**P-**« and confirm with »?« (blue). Select the desired point with »▶«, select the required letters/digits with »**P+**« or »**P-**« and confirm with »?« (blue).

8 Press »**OK**« to save the setting.

Note:
To tune in more television stations, repeat steps **3** to **8**.

9 Quit the setting with »**TXT**«.



Re-tuning all television channels

You can re-tune all the television stations, for example if you move to another town.

1 Call up the »Dialog Center« with »**i**«.

2 Select the »Automatic Tuning System« line with »**P+**« or »**P-**« and confirm with »**OK**«.
– The »Adjust country« menu appears.

3 Select country using »**P+**« or »**P-**« and confirm with »**OK**«.
– The station search begins.

INFORMATION

Technical data

Mains voltage:	220 – 240 V, 50/60 Hz, (power pack control range 190 ... 265 V)
Power consumption:	P 37-4201 TOP: during operation 40 W, in stand-by 4 W T 51-4201 TOP: during operation 50 W, in stand-by 4 W T 55-4201 TOP: during operation 50 W, in stand-by 4 W
Sound output:	5 Watts music (2.5 Watts sine)
Reception ranges:	C01 ... C99, special channels S01 ... S41, frequency band 1 ... 4
Preset positions:	99 and 2 AV

Service information for dealers:

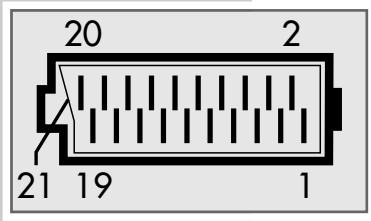
CE

The television set may only be operated with the mains cable set supplied. It prevents problems from the mains supply and is part of the device certification. Please order only replacement mains cable sets with the designation »GWN 9.10-1/Item number 8290.991-220« from customer service locations.

The product complies with the following EU directives:
73/23/EEC directive for electrical equipment to be used within defined voltage ranges.
89/336/EEC directive on electromagnetic compatibility.

The television set complies with the following standards: EN 60065, EN 55013, EN 55020
The television set conforms to the regulation on protection from damage from X-ray emissions. X-ray emissions from the picture tube are adequately screened and completely harmless.
Unauthorised handling, in particular modification of the high-voltage or installation of a picture tube of a different type may result in X-ray emissions of inadmissible strength. Devices modified in this way no longer conform to this certification and may not be used.

Contact assignments of the EURO-AV socket



Pin		Signal
1	=	Audio output right
2	=	Audio input right
3	=	Audio output left
4	=	Audio ground
5	=	Blue ground
6	=	Audio input left
7	=	RGB blue input
8	=	Switch voltage
9	=	Green ground
10	=	–
11	=	RGB green input
12	=	–
13	=	Red ground
14	=	Ground
15	=	RGB red input, (S-Video = Chroma)
16	=	RGB switch voltage
17	=	Video ground
18	=	RGB switch voltage ground
19	=	Video output
20	=	Video input, (S-Video = luminance)
21	=	Shielding/ground

Additional information for units sold in the UK.

Units sold in the UK are suitable for operation from a 240V ac, 50Hz mains supply.
The range of multi-system receivers is built to work in most European countries. However, the mains plug and socket system for the UK differs from many European countries.
This appliance has been supplied with a fitted, non-removable, approved converter plug for use in the UK. This converter plug is fitted with a 5A rated fuse.

In case this appliance is supplied with a moulded 2-pin Euro plug only, which is unsuitable for UK operation, this must be cut off and immediately disposed of. An approved 13A, 3-pin UK plug should then be fitted by a qualified electrician.

Note:
The severed Euro plug must be destroyed to avoid a possible shock hazard should it be inserted into a socket elsewhere.

If a non-rewireable 3-pin plug or a rewireable 13A (BS1363) 3-pin plug is used, it must be fitted with a 5A ASTA or BSI approved BS1362 fuse. If any other type of plug is used it must be protected by a 5A fuse either in the plug, or at the distribution board. If this type of plug becomes defective, ensure that the fuse is removed before disposal, to eliminate potential shock hazard.

If it is necessary to change the fuse in the non-rewireable plug, the correct type and rating (5A ASTA or BSI approved BS1362) must be used and the fuse cover must be refitted. If the fuse cover is lost or damaged, the lead and plug must not be used until a replacement is obtained. Replacement fuse covers should be obtained from your dealer.

Important:
The wires in the mains lead are colour coded in accordance with the following code:
BLUE – NEUTRAL
BROWN – LIVE
As the colours of the wires in the mains lead of your appliance may not correspond with the coloured marking identifying terminals in your plug, proceed as follows:

Connect the BLUE coloured wire to plug terminal marked with the letter "N" or coloured black.
Connect the BROWN coloured wire to the plug terminal marked with the letter "L" or coloured red.
In no circumstance must any of the wires be connected to the terminal marked with the letter "E", earth symbol "⏚", coloured green, or green & yellow.

Replacement mains lead sets can be obtained from your local dealer, or by contacting Grundig Consumer Relations (01788 570088)
Moulded 3-pin lead set, suitable for UK use:
Ref: Leadset UK 8290-991-224
Moulded 2-pin Euro lead set, not suitable for UK use:
Ref: Leadset Euro 8290-991-316

Rectifying minor problems

If the remedies given below do not work, please consult an authorised GRUNDIG dealer. Please bear in mind that malfunctions can also be caused by external devices such as video recorders or satellite receivers.

Fault	Possible cause	Remedy
Screen lit (snow), but no station visible	Antenna cable	Is antenna cable connected?
	No television station programmed	Start channel search
Poor picture contrast	Picture settings incorrectly set	Adjust brightness, contrast or colour setting
	Problem at station	Test with another channel
Interference to picture and/or sound	Interference by other devices	Move the devices
Ghosting, reflection	Channel setting	Automatic or manual channel setting/fine tuning
	Antenna	Have antenna cable or system checked
No colour	Colour intensity at minimum	Turn colour up
	TV norm setting (if setting option is available)	Select correct colour norm
	Problem at station	Test with another channel
Inappropriate colour, colour spots	Strong magnetic field due for example to loudspeakers	Move the loudspeakers away from the television. If colour spots remain, switch off the television set at the mains and switch on again after 10 minutes.
Picture but no sound	Volume set to minimum	Turn up/switch on loudspeaker
	Headphone connected	Remove headphones
	Problem at station	Test with another channel
Teletext missing or faulty	Television station (has no teletext) or aerial system	Test another channel for fine tuning and ghosting
	Station signal too weak	Check aerial system
Remote control does not function	No optical connection	Point the remote control at the television set
	Remote control batteries	Check the batteries, change if necessary
	Operating condition undefined	Switch off the television with the main power button for ca. 2 min.
After switching on the television, the »Child lock« menu appears	Parental lock was activated	Contact the customer service centre

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